

Scatterplots and Trends

A **scatterplot** shows paired data. Each point on a scatterplot represents *two* data values. Sometimes the points in a scatterplot suggest a relationship between two sets of data that shows a pattern. This relationship is called a **trend**.

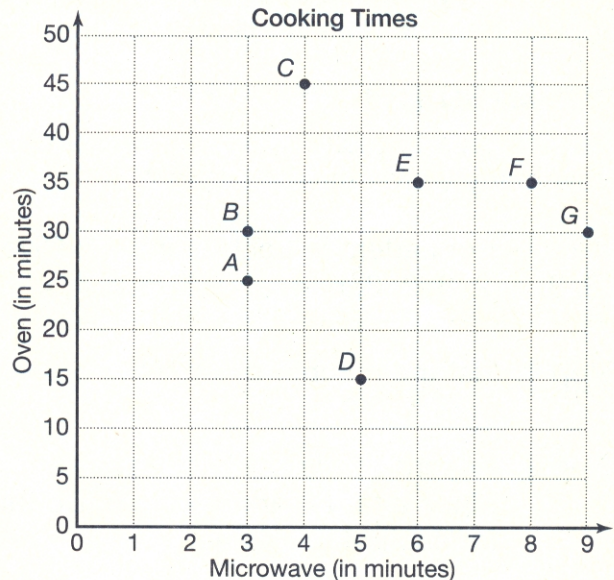
Example

How long does it take Product A to cook in the microwave? How long does it take to cook in the oven?

Step 1: Find A. Go right to 3 minutes.
This is the point on the horizontal axis that is below Point A.

Step 2: Find A. Go up to 25 minutes.
This is the point on the vertical axis that is to the left of Point A.

Product A cooks for 3 minutes in the microwave and 25 minutes in the oven.



Try It

Using the scatterplot, find the following information.

- The time it takes Product B to cook in a microwave _____
- The time it takes Product B to cook in an oven _____
- The product that cooks for 15 minutes in the oven _____
- The time it takes Product C to cook in a microwave _____
- The time it takes Product E to cook in an oven _____
- The product that cooks for 45 minutes in the oven _____
- How much longer it takes Product G than Product D to cook in an oven _____
- A product takes 40 minutes to cook in an oven. Do you think it would take more or less time to cook in the microwave? Explain.

